AUTHORS: Sobolev, N. N., Potapov, A. V., Kitayeva, V. F., Fayzullov, F. S., Alyamovskiy, V. N., Antropov, Ye. T., Isayev, I. L. SOV/48-22-6-23/28

TITLE: The Spectroscopical Investigation of the State of the Gas Behind the Shock-Wave (Spektroskopicheskoye issledovaniye sostoyaniya gaza za udarnoy volnoy)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya fizicheskaya, 1958, Vol. 22, Nr 6, pp. 730-736 (USSR)

ABSTRACT: This paper describes a practical method of obtaining a high-temperature plasma for research work carried out in laboratories, viz. the method of the "shock tube" (Fig 1). The shock tube is divided by means of a diaphragm into two chambers (for high- and low pressure). As soon as high pressure develops in the high-pressure chamber the diaphragm is caused to burst, and at the same time a shock wave forms in the second chamber round the shock center - i. e. the rarefying wave. Between the fronts of the shock wave and the contacting surface a layer of gas of high temperature is formed which is here described as "lock" (probka). This "lock" moves with the velocity U_2, which is

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somewhat lower than that of the shock wave U_s. The temperature of the "lock" increases with a reduction of the molecular weight of the gas. If the velocity U_s is known, it is possible, by basing on the law of conservation of the mass, the impulse and the energy, as well as on the strength of the ratio of enthalpy, the degree of ionization, and the state of the gas, to determine the 6 unknown quantities: p_2, ϱ_2, U_2, H_2, T_2 and α_2 relating to the state of the monoatomic gas located in the "lock". A graphical illustration of 3 states of argon and 3 states in air behind the shock wave is given. The device is described on the basis of a schematical drawing. The chapter dealing with: The Method of Relative Intensities describes the use of the device mentioned for the purpose of obtaining the spectral lines for Li and Na for measuring the temperature by the method of relative intensities. Measurements were carried out photographically and photoelectrically, without as well as with full reabsorption of spectral lines. The chapter: The Generalized Method of Reversing the Spectral Lines is based upon a paper (Ref 7) in which the said method is explained with respect to its application for

Card 2/3

1. Electron gas--Spectra 2. Electron gas--Radiation 3. Spectroscopy 4. Shock tubes--Applications 5. Shock waves--Analysis

Card 3/3

SOV/51-6-3-3/28

AUTHORS: Sobolev, N.N., Potapov, A.V., Kitayeva, B.F., Fayzullov, F.S., Alyamovskiy, V.N., Antropov, Ye.T. and Isayev, I.L.

TITLE: Spectroscopic Studies of the State of Gas Behind a Shock Wave. I (Spektroskopicheskoye issledovaniye sostoyaniya gaza za udarnoy volnoy. I)

PERIODICAL: Optika i Spektroskopiya, 1959, Vol 6, Nr 3, pp 284-296 (USSR)

ABSTRACT: The paper describes attempts to measure the temperature behind a shock wave using relative intensities of two spectral lines. Shock waves were produced in a shock tube (Fig.5), 9.2 cm in diameter and 4.5 m long. The high-pressure chamber I (50 cm long) was filled with hydrogen at pressures of 110-130 atm. The low-pressure chamber II (4 m long) was filled with air or nitrogen at 10 mm Hg. The two chambers were separated by an aluminum diaphragm, bursting of which produced shock waves in the low-pressure chamber. The spectrum of radiation emitted by the region behind a shock wave was recorded either photographically or photoelectrically using a spectrograph ISP-51. In the latter case two photo-

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Spectroscopic Studies of the State of Gas Behind a Shock Wave. I

multipliers (FEU-17 or FEU-22, cf. Fig.6) were used to register two spectral lines; the signals from the photomultipliers were amplified (cf. circuit in Fig.7), displayed on an oscillograph OK-17M and photographed. The shock-wave velocity was found by measuring the time which it took the wave to travel between two ionization counters, denoted by $\Delta_{1,2}$ in Fig.5. Experiments were carried out at shock-wave velocities of 3-4 km/sec at which the temperatures behind shock fronts were expected to be 3500-4500°K. At these temperatures neither air nor nitrogen emits atomic lines. The authors consequently introduced small amounts of Li and Na in the form of LiCl or NaCl. The temperatures behind shock-wave fronts, calculated from the relative intensities of Li and Na lines, were highly scattered (Table 2) and the scatter varied from one line pair to another and from one experiment to another. This scatter was due to partial re-absorption, as well as to disturbance of the thermodynamic state of the gas by the comparatively large amounts of salts which had to be used. Moreover,

the salts settled on the cold walls of the shock tube and their emission was consequently concentrated near the walls (Fig.9). To ensure a uniform distribution of the emitting substances behind a shock-wave front the authors used gaseous dicyanogen in their second series of experiments. They deduced temperatures from the relative intensities of vibrational bands of cyanogen (dicyanogen dissociates at these temperatures) using the method described by Brinkman (Ref.6) and Smit (Ref.7). Again no reliable values of the temperature behind wave fronts could be obtained (Tables 3,4) because of the long time necessary to establish equilibrium distribution in vibrational degrees of freedom of cyanogen. The authors conclude that the method of relative intensities is suitable only for determination of temperatures above 5000°K; between 1500 and 5000°K the self-reversal method (Ref.6) should be

 employed. There are 10 figures, 4 tables and 9

SOV/51-6-3-3/28

Spectroscopic Studies of the State of Gas Behind a Shock Wave. I

references, of which 3 are Soviet, 2 English, 1
translation of English into Russian and 3 Dutch.

SUBMITTED: April 3, 1958.

Card 4/4

PAVLOTSKIY, V.F.; PETROV, V.A.; POTAPOV, A.V.

Improving directional drilling methods. Razved. i okh. nedr 26 no. 1:31-36 Ja '60. (MIRA 13:12)

1. Ministerstvo geologii i okhrany nedr SSSR.
(Boring)

L 21796-65 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) Pu-4 AEDC(a)/IJP(c) JD/JJW/JG

ACCESSION NR: AP5002584 S/0076/64/038/012/3005/3007

AUTHOR: Petapov, A. V.; Babkin, G. V. 8

TITLE: Temperature-entropy diagram for lithium vapors in the 1000—10,000 K and 1—10^6 bar ranges 21

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 12, 1964, 3005-3007

TOPIC TAGS: lithium vapor, thermodynamic data, temperature entropy diagram

ABSTRACT: Temperature-specific entropy (T,s) diagrams were made for lithium vapors in the 1000—10,000 K and 1—10^6 bar ranges. Besides the usual T,s diagrams at 1) constant pressure and at 2) constant density, T,s diagrams were shown at: 3) constant specific enthalpy; 4) constant molar concentration of electrons; 5) constant sonic velocity; and 6) constant $\gamma = C_p/C_v$ ratio. Thermodynamic data for these diagrams were calculated by the methods of statistical mechanics, taking into account the dissociation of Li_2 molecule and ionization of Li atoms. Orig. art. has: 2 figures.

ASSOCIATION: none

Card 1 /2

L 21796-65

ACCESSION NR: AP5002584

SUBMITTED: 16Nov63 ENCL: 00 SUB CODE: TD

NO REF SOV: 002 OTHER: 003 ATD PRESS: 3166

Card 2/2

L 42043-65 EWT(d)/EWT(l)/EEC(k)-2/EEC-4/EEC(e)-2/EED-2/EWA(h) Pi-4/Pn-4/Pq-4/Pac-4/Pae-2/Peb

ACCESSION NR: AP5010858 UR/0286/65/000/007/0032/0033

AUTHOR: Zorokhovich, Yu. L.; Potapov, A. V.

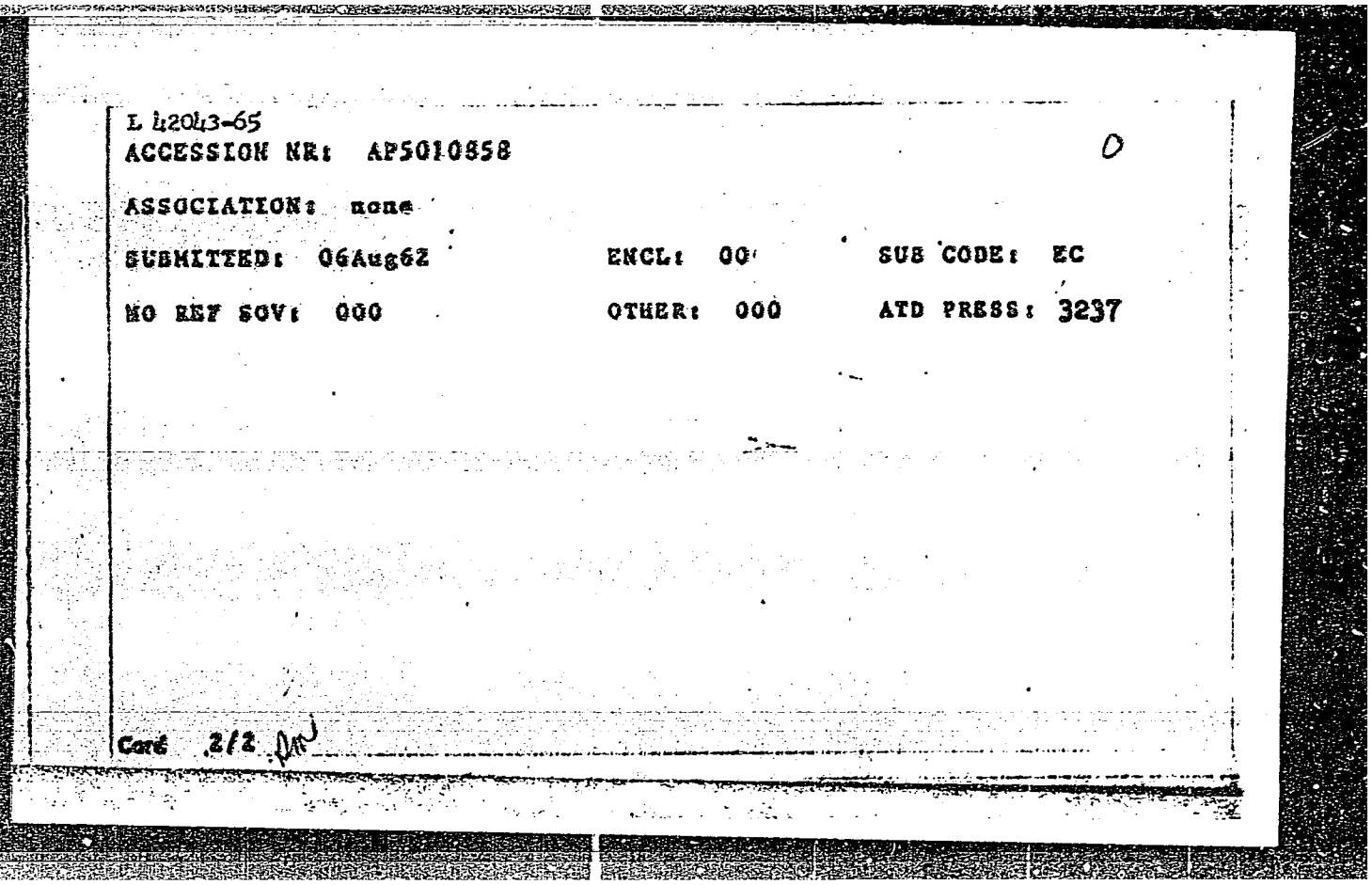
TITLE: Synchronous self-excited oscillator. Class 21, No. 169559

SOURCE: Byulleten' izobretenii i tovarnykh znakov, no. 7, 1965, 32-33

TOPIC TAGS: self excited oscillator, synchronous self excited oscillator, noise immunity, telemetry device

ABSTRACT: This Author Certificate introduces a synchronous self-excited oscillator for a noiseproof high-reliability information-transfer device. The device utilizes error-correcting codes. Immunity to noise is improved by the positioning of dynamic triggers between the clock-frequency pulse generator and the acceleration register and between one of the outputs of the input device and the deceleration register. The first is controlled by the generator and a divider (by a factor of 4) unit, and the second, by "Error" and "No error" signals. Orig. art. has: 1 figure. [DW]

Card 1/2



L 42043-65
ACCESSION NR: AP5010858 O

ASSOCIATION: none

SUBMITTED: 06Aug62 ENCL: 00 SUB CODE: EC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 3237

Card 2/2 DW

POTAPOV, A.Ya.

Creative approach to the solution of the seven-year plan problems. Ugol' Ukr. 3 no.9:6-8 S '59. (MIRA 13:2)

1. Upravlyayushchiy trestom Krasnoarmeyskugol'.
(Coal mines and mining)

ROTAPOV, A. Ye.

"Contemporary Methods for Treating Bronchial Asthma," Fel'dsher i Akusher., No. 6, 1948. Card. Med. Sci.

POTAPOV, A. Z.

Chelpanova, A. I. [Co-author] See: Potapov, A. Z. "Concerning the Biology of Tilletia tritici," 1943.

So: SIRA SI - 90-53, 15 Dec., 1953

POTAPOV, Aleksey Yemel'yanovich; GRINBERG, P.I., red.; GORYACHKINA, R.A., tekhn. red.

[Safety measures in lifting with tackles] Tekhnika bezopasnosti na takelazhnykh rabotakh. Moskva, Avtotransizdat, 1963. 37 p. (MIRA 17:2)

POTAPOV, B.A., Cand Tech Sci - (diss) "Technology for the continuous production of phenol-aldehyde resins," Moscow, 1955, 13 pp (Moscow, Chemical Technological Institute im D. I. Mendeleyev) (KL, 39-60, 119)

POTAPOV, B.

26866

Za povyshenie kachestva raboty mestnykh statisticheskikh organov. (Mosk. Obl.)
Vestnik statistiki, 1949, No. 2, S. 62-67

SO: LETOPIS' NO. 34

POTAPOV, B.

26866. POTAPOV, B. Za povysheniye kachestva raboty mestnykh statisticheskikh organov. (Mosk. obl.) Vestnik statistiki, 1949, No. 2, S 62-67

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

KOGAN, I.N.; PARLASHKEVICH, N.Ya.; VURZEL', F.B.; RUBINSHTEYN, V.V.; KORNEYEV, I.Ya.; POTAPOV, B.A.; PLATONOVA, G.S.

Continuous control of viscosity in the production of liquid bakelites. Plast.massy no.6:45-50 '62. (MIRA 15:6)
(Phenol condensation products) (Viscosity)

POTAPOV, B.A.

Interrelationships of certain factors in the process of preparation of lacquer resins by the continuous method. Plast. massy no.1:24-29 '60. (MIRA 13:6)
(Resins, Synthetic)
(Phenol condensation products)

B/19?/60/[illegible]/005/013
B016/B054

AUTHOR: Potapov, B. A.

TITLE: Interrelationship of Factors in the Production of Novolak Resins by a Continuous Method

PERIODICAL: Plasticheskiye massy, 1960, No. 1, pp 24-30

TEXT: The author studies the interrelation of some factors of the continuous production process of novolak resins. In his experiments, he condensed phenol and formaldehyde in an aqueous medium and in the presence of oxalic acid, and took samples 1, 2, 3, 4, 5, and 6 h after the beginning of boiling. They were analyzed according to ТУ-1-42 of the ГУНИИХП(Technical Specifications -1-42 of the Main Administration of the Basic Chemical Industry of the Ministry of Chemical Industry). On the basis of these analytical results, the author concludes that: 1) To guarantee a regular course of the production process of novolak resins and a standard quality of the product, the rate of supply of the reaction vessel with the total amount of preliminary material must be strictly adapted to the given

Card 1/2

Interrelationship of Factors in the Production of Novolak Resins by a Continuous Method

S/191/60/000/007/005/015
B016/B054

final indices of condensation and throughput capacity of the drier. Besides, the final temperature of drying (i.e., the resin temperature t_k when leaving the drier) must be equal to the "required heating temperature t_o of the resin". 2) Basic conditions for a control of the continuous production process are: a) the time of stay of the reaction mixture in the reaction vessel and in the evaporator must be corrected according to the deviation of the final viscosity of the resin from the given viscosity in each stage of the process, and according to the throughput capacity of the drier; b) the parameters of drying mentioned under a) must be corrected to take account of changes of the final temperature t_k of the resin due to fluctuations of t_o. The editors state that the present article is published under the discussion program. There are 2 figures, 3 tables, and 10 references: 9 Soviet and 1 British

Card 2/2

POCAPOV, B.I.

Effect of the relative shearing rate of soils on the threshold of the shearing strength. Pochvovedenie no. 7:102-104 Jl '65 (MIRA 19:1)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut. Submitted January 9, 1964.

L 3107-66 FSS-2/EWT(1)/FS(v)-3/FCC/EWA(d)/EWA(h) TT/GS/GW
ACCESSION NR: AT5023611 UR/0000/65/000/000/0406/0417

AUTHOR: Bolyunova, A. D.; Vaysberg, O. L.; Gal'perin, Yu. I.; Potapov, B. P.; Temnyy, V. V.; Shuyskaya, F. K.

TITLE: Preliminary results of particle studies using the "Elektron-1" satellite

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 406-417

TOPIC TAGS: particle physics, artificial earth satellite, satellite data analysis, electron, proton

ABSTRACT: The authors analyze data from the "Elektron-1" to determine the distribution of radiation in the geomagnetic trap along the orbit of the satellite in January-March 1964. At lower latitudes ($L < 2$) close to the equator, the dominating particle flux is from electrons of natural origin with energies of 20–200 kev and an intensity of up to $2 \cdot 10^9$ particles$\cdot$cm$^{-2}\cdot$sec^{-1}, and from electrons artificially injected by the high-altitude explosion of 9 July 1962 with energies of several Mev and a flux of up to $2 \cdot 10^8$ particles$\cdot$cm$^{-2}\cdot$sec^{-1}. There are also trapped protons in

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L 3107-66 18

ACCESSION NR: AT5023611

this same region with energies of tens and hundreds of Mev and an intensity of up to $\sim 5 \cdot 10^4$ particles·cm^{-2}·sec^{-1} ($E > 50$ Mev). At middle latitudes ($2 < L < 4$) there is a sharp increase in the flux of soft protons with energies of a few hundred kev to intensities of no less than $\sim 10^8$ particles·cm^{-2}·sec^{-1} at latitudes of 30-50° and apparently to no less than $\sim 3 \cdot 10^8$ close to the plane of the equator at $L \sim 3$. Their spectrum is softer at higher latitudes. Both protons and electrons are observed at higher latitudes, the low energy electron component ($E > 20$ kev) being extremely variable, especially during increased geomagnetic activity. The boundary of the capture zone in the geomagnetic field during magnetic calm matches the outlines of the "momentary" polar aurora zone which reflects the diurnal asymmetry of the magnetosphere. "In conclusion, we are sincerely grateful to V. I. Krasovskiy, T. M. Mulyarchik, N. V. Dzhordzhio, M. L. Bragin, G. N. Zlotin, I. N. Kiknadze, I. D. Dmitriyeva, T. N. Zaglyadimova, A. K. Nazarova and G. A. Bordoyskiy for great assistance in the work and for useful discussions." Orig. art. has: 8 figures and 1 table. [14]

ASSOCIATION: none

SUBMITTED: 02Sep65 ENCL: 00 SUB CODE: ES, NP

NO REF SOV: 009 OTHER: 008 ATD PRESS: 4105

Card 2/2

3,1810 (1041)

29372
S/169/61/000/006/036/039
A005/A130

AUTHORS: Potapov, B.P., Rappoport, Z.Ts., Borsuk, T.B.

TITLE: Investigation of radiowave absorption in the auroral zone

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1961, 26, abstract 6G210. (V sb.: Spektr., elektrofotometr. i radiolokats. issled. polyarn. siyaniy i svecheniya nochnogo neba, no. 2-3. Moscow, AN SSSR, 1960, 42-44 (English summary))

4

TEXT: The authors describe the preliminary results of measurements of radiowave absorption by the ionosphere carried out from December, 1958 to March, 1959 in the region of the Loparskaya station (68°38'n.lat., 33°22'e.long.). The measurements were carried out by means of the impulse sounding method at 2.2 Mc frequency and the recording of the intensity of cosmic radio noise at 31 Mc frequency. It is confirmed that the auroral effect is connected with an increase in absorption. Cases of rise of absorption were noted incident to vertical propagation of radiowaves although the aurora at this time was observed only in the northern part of

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Investigation of radiowave absorption ...

the sky. The good correlation between rise of absorption and appearance of radiant forms of the aurora allows the assumption that the source of ionization of the D-region is, at least partially, X-radiation arising incident to the retardation of rather hard electrons. No clear correlation was detected between increase of absorption and appearance of H_α - line emission near the zenith. Some differences between the shapes of the absorption curves measured by the two methods lead to the conclusion that the E-region may also play an essential role in absorbing radiowaves in the aurcral zone.

Z. Rappoport

[Abstractor's note: Complete translation.]

Card 2/2

POTAPOV, B.P.

Low-power high-voltage converter for photoelectronic devices.
Astron.zhur. 39 no.2:367-369 Mr-Ap '62. (MIRA 15:3)

1. Institut fiziki atmosfery AN SSSR.
(Voltage regulators) (Photoelectric measurements)

3739?

S/033/62/039/002/014/014
E073/E535

9,2540

AUTHOR: Potapov, B.P.

TITLE: A low-power, high-voltage converter for feeding photoelectric devices

PERIODICAL: Astronomicheskiy zhurnal, v.39, no.2, 1962, 367-369

TEXT: For feeding photomultipliers and other instruments portable current sources of 0.05 to 0.5 W and voltages between 400 V and 20 kV are frequently required. The simplest source for this purpose is a low-voltage battery combined with triode converters. However, the temperature stability of these circuits is not satisfactory. In this paper a voltage transformer is described which operates from a 12 V battery and has an output of 100 μA with a voltage of 1 kV and an efficiency of 60%. Within the temperature range -25 to +60°C the fluctuations in the output voltage did not exceed ±5% of the mean value; in the temperature range 15 to 40°C the fluctuations did not exceed ±0.5%. A circuit diagram of this voltage transformer is given in Fig.2 (пф - pF, ПТ - semiconductor triodes). For obtained output voltages of the order of 10 to 20 kV, voltage quadrupling has to

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26203
S/106/60/000/002/004/009
A055/A133

9.9100

AUTHORS: Potapov, B. P.; Rapoport, Z. Ts.

TITLE: Integrator for ionospheric radiowave-absorption measuring systems.

PERIODICAL: Elektrosvyaz', no. 2, 1960, 28 - 31

TEXT: A method is described to measure ionospheric absorption of radiowaves with the aid of a simple integrator designed by Ya. I. Likhter [Ref. 4: Metod opredeleniya funktsiy raspredeleniya atmosfernykh radiopomekh (Method to determine distribution functions of atmospheric radio-interferences) Trudy NIZMIR, No. 13, 1957]. With the exception of the integrator, the method used by the authors did not differ from the method set out in the I.G.Y. instruction manual (see English-language references at the end of the abstract). The block-diagram of the integrator is shown in Figure 1. The storing element is here capacitance C_2. To prevent the stored signals from discharging through the charge cricuit, charging occurs through the diode. Only positive pulses are integrated. The second half of the diode is used for fixing the level. The anode voltage of the charge diode is adjusted (with potentiometer R_8, R_9, R_{10}) so as to be about 0.5 v

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26203
S/106/60/000/002/004/009
A055/A133

Integrator for ionospheric radiowave ....

below the control grid voltage of tube 6Zh4. Integration is effected for 50 sec. Tube L_2 grid is then connected (with the aid of a relay) to divider R_5, R_6, R_7, and its previous voltage is restored. Integration is resumed at the beginning of the next minute. The output voltage, as measured across cathode resistance R_{11}, is:

$$U_{outp} \approx \int_0^t U_{inp}\, dt + U_0 ,$$

U_0 being adjusted by divider R_5, R_6, R_7 and chosen about equal to 0.3 v. If a constant-amplitude voltage is applied (during 50 sec) to the receiver input, and if the amplitude of this voltage is progressively varied, the dynamic characteristic of the integrator is obtained by measuring the integrator input and output voltages. This characteristic proves approximately linear for U_{inp} = 2 ÷ 30 v, the deviation from linearity not exceeding 5 %. The result of the integration can be measured across R_{11} with a tube voltmeter; it can also be recorded with a loop oscillograph or with a recording amperevoltmeter. The authors give some practical indications as to the adjustment of the integrator and explain how the automatic operation of the integrator is ensured with the aid of a primary clock and two relays. They conclude by saying that the defect of the described integra-

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SOV/112-57-5-10128

8 (6)

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 5, p 77 (USSR)

AUTHOR: Domanskiy, B. I., Romanov, V. A., Potapov, B. I.

TITLE: Problems in Development of Electrohydraulic Speed Control Systems for Hydraulic Turbines (Voprosy razrabotki sistem elektrogidravlicheskogo regulirovaniya skorosti gidroturbin)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1956, Nr 184, pp 361-365

ABSTRACT: Interconnected power system operation requires a number of automatic control devices to increase economy and reliability; the devices must affect the turbine torque by resetting mechanical speed governors. Growing requirements of the precision of frequency control and load distribution involve allowances for many factors. Specifically, hydraulic-turbine governors must respond to changes in water conditions. In this connection, the adoption of electric sensing units is natural, as they simplify introducing stabilizing means into the control system. The pickups using simple frequency-dependent

Potapov, B.K.

KUPRIYANOV, S.Ye.; POTAPOV, B.K.

Decay of H_2, HD and D_2 in single collisions with hydrogen, deuterium, and air molecules. Zhur. eksp. i teor. fiz. 33 no.1: 311-312 Jl '57. (MLRA 10:9)

1. Fiziko-khimicheskiy institut im. L.Ya. Karpova.
(Collisions (Nuclear physics)) (Hydrogen--Isotopes)

20978
S/058/61/000/004/033/042
A001/A101

3,1810 (2605, 2705, 1041)

AUTHORS: Potapov, B.P., Rappoport, Z.Ts.

TITLE: Study of radio waves absorption in auroral zones

PERIODICAL: Referativnyy zhurnal, Fizika, no 4, 1961, 405, abstract 4Zh519 (V sb. "Spektr., elektrofotometr. i radiolokats. issled. polyarn. siyaniy i svecheniya nochnogo neba", no 2 - 3, Moscow, AN SSSR, 1960, 42 - 44, Engl. summary)

TEXT: The authors present preliminary results of an investigation of radio waves absorption in an auroral zone. The data were obtained by two methods: by measuring space radio noise at a frequency of 31 Mc and by the conventional pulse method at a frequency of 2.2 Mc. The measurements were conducted at station Loparskaya during December 1958 to March 1959. The following regularities in absorption are noted: 1) A considerable absorption increase is seldom observed during red auroras of A-type; Enhanced ionization is observed in layers E and F. 2) Appearance of greenish radiant shapes leads to great absorption increase; 3) the greatest absorption increase is observed when a greenish C-corona appears. It is shown that there is no reliable correlation between absorption of

Card 1/2

POTAPOV, B.P.; RAPOPORT, Z.TS.

Integrator for a device which measures ionospheric absorption of radio waves. Elektrosviaz' 14:28-31 F '60.
(MIRA 13:5)

(Ionospheric radio wave propagation)
(Pulse techniques(Electronics))

POTAPOV, D. (Baku)

Method of the crew member Bukalov. Grazhd. av. 12 no.7:9 Jl '55.
(MIRA 11:6)

(Airplanes--Maintenance and repair)

POLYAKOV, D.K.; IVASHKOV, I.S.; ANDREYEV, K.P.; VORONIN, M.V.; POTAPOV, D.I.

Effectiveness of chlorophos and other preparations in hypodermosis in cattle. Veterinariia 37 no.4: 71-74 Ap'60. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii.
(CHLOROPHOS) (WABBLE FLIES)

POTAPOV, D.I.

Elimination of tuberculosis among chickens on poultry farms. Veterinariia 33 no.9:23-26 S '56. (MLRA 9:10)

1.Glavnyy veterinarnyy vrach sovkhoza "Molochnyy gigant," Moskovskoy oblasti.

(Tuberculosis in animals)

POTAPOV, D. I., POLYAKOV, D. K., IVASHKOV, I. S., ANDREYEV, K. P. and VORONIN, M. V.

"Efficiency of chlorophos and other preparations in the case of hypodermatosis in cattle."

Veterinariya, Vol. 37, No. 4, 1960, p. 71

VNIIVS

A calorimetric method of measuring the optical constants of metals in the infrared at low temperatures. N. E. Alekseevskii and E. Y. Potapov. *Zhur. Eksptl. i Teoret. Fiz.* 33, 283–4(1957). I.—The d. of conduction electrons ... = coeff. of refraction, k = coeff. ... mass, ω = frequency of ... liquid-He temp. and the heating of the sample was meas- ... of the polarized beam on the ...

FILIMONOV, Sergey Sergeyevich; POTAPOV, Fedor Andreyevich

[Felling and floating birch timber] Zagotovka i splav drevesiny berezy. Moskva, Lesnaia promyshlennost', 1965. 72 p. (MIRA 19:1)

POTAPOV, F.A.; BAKSHEYEVA, N.I.; ZHELTOV, Ye.M., nauchn. red.
KARAVASHKIN, B.I., red.

[Technology of working cutovers with biological drying of lumber] Tekhnologiia razrabotki lesosek s biologicheskoi sushkoi lesa. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 35 p. (MIRA 18:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti (for Potapov, Baksheyeva).

POTAPOV, Fedor Vasil'yevich; KORNEYEV, S.G., red.; POPOV, V.I., tekhn. red.

[Those who are marching toward the future] Shagaiushchie v zavtra. Tambov, Tambovskoe knizhnoe izd-vo, 1960. 29 p. (MIRA 16:6)

(Tambov--Machinery industry workers)

POTAPOV, F.Ya., inzh.; PONOMAREV, G.P., inzh.

Mobile diesel electric power plant. Elek.i tepl.tiaga 6 no.2:42-43 F '62. (MIRA 15:2)
(Diesel electric power plants)
(Railroads—Cars)

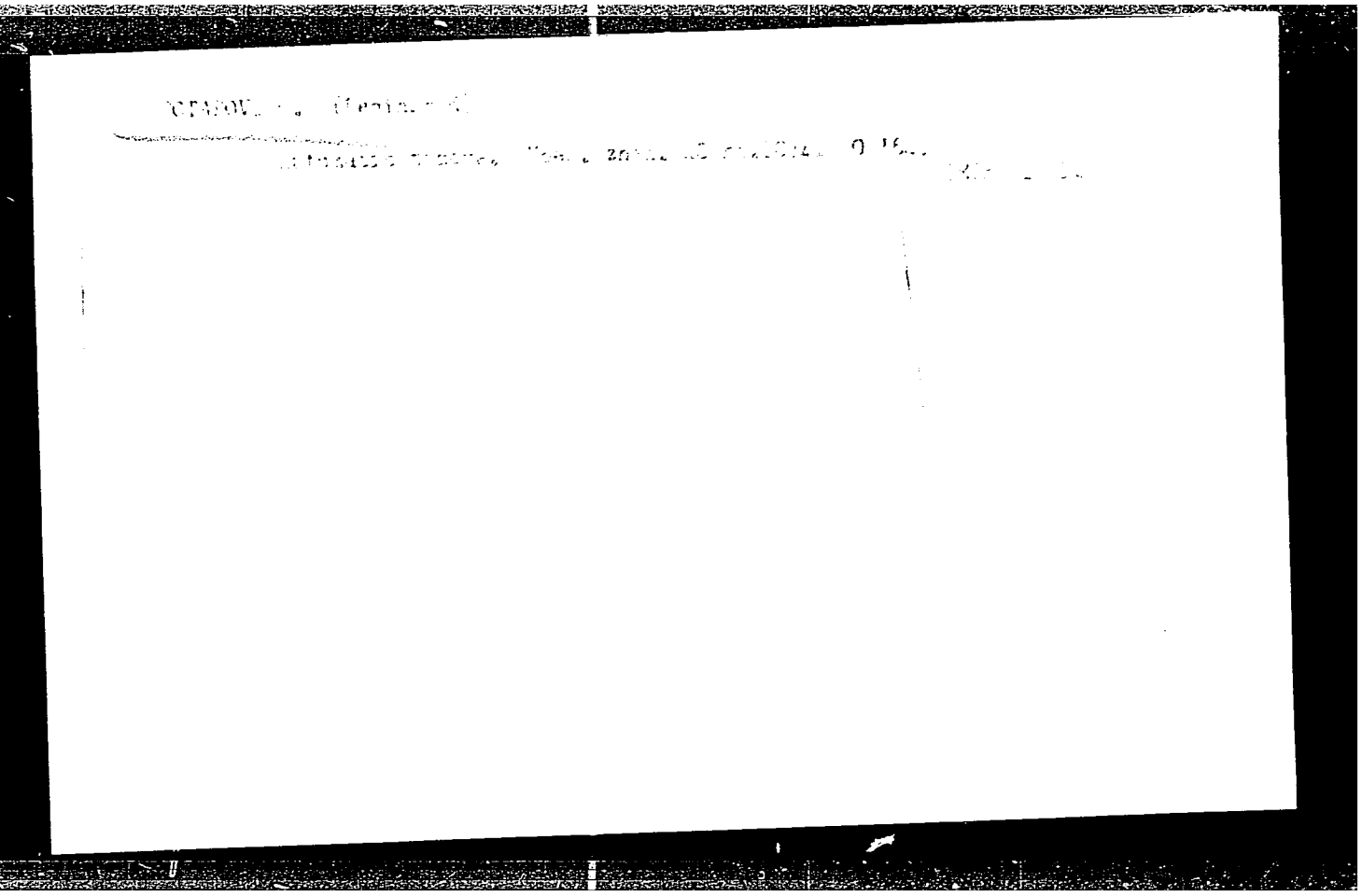
SIMONOV, V.V.; POTAPOV, F.Yu.

Relationship between power parameters of the rock disintegration process. Neft. khoz. 38 no.9:36-39 S '60. (MIRA 13:9)

(Turbodrills) (Boring)

DIL', A.; CHARUGINA, N.; BORODIN, A.; SOLODOVNIK, P.; SKLYAR, I.; SOLOVKIN, N.; POTAPOV, G.; PONOMAREV, N.; ALEKHIN, I. ; SOLOMENTSEV, K.; TOPYLIN, N.; SKOROVAROV, M.; KARABANOV, S.; BOGDANOV, N.; STRYUKOV, P.

Nikolai Vasil'evich Romenskii (on the occasion of the 40th anniversary of his scientific, pedagogic, and public activity). Muk.-elev. prom. 24 no.12:29-30 D '58. (MIRA 12:1)
(Romenskii, Nikolai Vasil'evich, 1894-)



POTAPOV, G., inzh.-modelist

Hydrostatic device for a model of a submarine. Voen.znan. 38 no.8:35 Ag '62. (MIRA 15:8)

1. 1-y morskoy klub Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu, g. Leningrad.
(Submarine boats—Models)

POTAPOV, G.I.

Concerning the selection of an efficient system of underground water resources development for industrial purposes. Izv. vys. ucheb. zav.; geol. i razv. 7 no.12:86-90 D'64. (MIRA 18:12)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut.

POTAPOV, G.I.

Air lift for obtaining underground brines. Izv.vys.ucheb.zav.; geol. i razv. 6 no.5:68-71 My '63. (MIRA 18:4)

1. Vsesoyuznyy zaochnyy politekhnicheskiy institut.

POTAPOV, G. K., Cand of Tech Sci -- (diss) "Investigation of the electrolytic deposits of a nickel-phosphorus alloy which is suitable for the repair of tractor and automobile parts." Moscow, 1957, 20 pp (Moscow Institute of the Mechanization and Electrification of Agriculture im Molotov), 110 copies (KL, 33-57, 88)

ACC NR: AT7002806 SOURCE CODE: UR/0000/65/000/000/0027/0033

AUTHORS: Potapov, G. K. (Candidate of technical sciences); Kokotkin, P. L. (Engineer)

ORG: none

TITLE: Determining internal stresses by an electric method in plastically deformed metals

SOURCE: Moscow. Institut inzhenerov sel'skokhozyaystvennogo proizvodstva. Doklady, v. 2, no. 4, 1965. Tekhnologiya metallov i remont mashin (Technology of metals and repair of machinery), 27-33

TOPIC TAGS: resistance bridge, internal stress, plastic deformation, stress distribution, compressive stress, metal etching

ABSTRACT: An electrical method is used to determine internal stresses in plastically deformed surfaces. The method was proposed by G. K. Potapov and A. G. Sanzharovskiy (Fizicheskaya khimiya, 32, 1958). The method uses a bridge circuit (see Fig. 1). The expression for the relative change in resistance per unit deformation has the form:

$$\frac{\Delta R}{R}=\frac{\Delta l}{l}\gamma; \quad \gamma=\frac{\frac{\Delta R}{R}}{\frac{\Delta l}{l}},$$

where γ is the coefficient of strain sensitivity for pickups in the form of linear flat loops, which is equal to 1.8--2.1. The pickups are glued to the deformed and

Card 1/2

AUTHORS: Potapov, G.K., Sanzharovskiy, A.T. [illegible]76-32-6-37/46

TITLE: Electrical Method for Determining the Internal Stress in Galvanic Coatings (Elektricheskiy metod opredeleniya vnutrennikh napryazheniy v gal'vanicheskikh pokrytiyakh)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol. 32, Nr 6, pp. 1416-1419 (USSR)

ABSTRACT: The method used most for measuring the above mentioned stress is at present that of the flexible cathode which is based on the determination of the inclination of the lower cathode end by the one-side deposition of the metal. In the present paper a method is described which makes it possible to carry out determinations with great accuracy in vats of any dimensions, in the cold and the heat as well as in transparent and not transparent electrolytes. From the diagram given and the description of the plant may be seen that the principle of measurement consists of the fact that four wire-wound resistances of constantan (25-50 $\mu\,\phi$) are glued to the surface to be investigated and that by the deformation of the surface a change of the ohmic resistance

Card 1/2

Electrical Method for Determining the Internal Stress in Galvanic Coatings

SOV/76-32-6-57/46

of the wires is caused. For the calculation of the internal stress from the obtained measuring values the authors give an equation as well as the corresponding partial formulae. Also graphical representations and measuring results from galvanic magnesium coatings and precipitations of a nickel-phosphorus alloy are given, as well as the parameters of the values obtained for the plant. There are 3 figures, 1 table, and 7 references, which are Soviet.

ASSOCIATION: Institut mekhanizatsii elektrifikatsii, Moskva
(Mechanized Electrification Institute, Moscow)

SUBMITTED: April 29, 1957

1. Metal coatings--Stresses 2. Stress analysis 3. Electrolytes
4. Mathematics

Card 2/2

POTAPOV, G.K., kand. tekhn. nauk

Electrical dynamometers for measuring torque. Trudy VISKHOMa no.34:43-56 '62.

Apparatus for measuging the depth of tillage. 57-64 (MIRA 16:11)

137-58-2-3720D

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 204 (USSR)

AUTHOR: Potapov, G.K.

TITLE: An Investigation of the Electrolytic Depositing of a Nickel-phosphorus Alloy With Regard to Repair of Tractor and Automotive Parts (Issledovaniye elektroliticheskogo osazhdeniya splava nikel'-fosfor primenitel'no k remontu detaley traktorov i avtomobiley)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Mosk. in-t mekhaniz. i elektrifik. s. kh. (Moscow Institute for the Mechanization and Electrification of Agriculture), Moscow, 1957

ASSOCIATION: Mosk. in-t mekhaniz. i elektrifik. s. kh. (Moscow Institute for the Mechanization and Electrification of Agriculture), Moscow

1. Nickel phosphorus alloys--Electrodeposition--Bibliography

Card 1/1

POTAPOV, G.M.

Ornamental trees and shrubs of the Karaganda industrial district. (MIRA 15:1)
Trudy Karag. bot. sada 1:7-18 '60.
(Karaganda--Plants, Ornamental)

POTAPOV G. M.

MATSKIN, L.A.; KOVALENKO, K.I.; BABUKOV, V.G.; KONSTANTINOV, N.N.; PONOMAREV, G.V.; PAL'CHIKOV, G.N.; PELENICHKO, L.G.; SHAMARDIN, V.M.; GLADKOV, A.A.; BRILLIANT, S.G.; SHEVCHUK, V.Ya.; SOSHCHEN-KO, Ye.M.; ALEKSANDROV, A.M.; BUNCHUK, V.A.; KRUPENIK, P.I.; MAYEVSKIY, V.Ya.; YELSHIN, K.V.; GAK, Kh.A.; POTAPOV, G.M.; KARDASH, I.M.; STEPURO, S.I.; KAPLAN, S.A.; SELIVANOV, T.I.; YEREMENKO, N.Ya.; ZHUZH, A.D.; USTINOV, A.A.; GIRKIN, G.M.; VOLOBUYEV, P.P.; CHERNYAK, I.L., nauchnyy red.; DESHALYT, M.G., vedushchiy red.; GENNAD'YEVA, I.M., tekhn.red.

[Combating losses of petroleum and petroleum products; materials of the All-Union Conference on Means of Combating Losses of Petroleum and Petroleum Products] Bor'ba s poteriami nefti i nefteproduktov; po materialam Vsesoiuznogo soveshchaniia po bor'be s poteriami nefti i nefteproduktov. Leningrad, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 157 p. (MIRA 13:2)

1. Nauchno-tekhnicheskoye obshchestvo neftyanoy i gazovoy promyshlennosti.

(Petroleum industry)

POTAPOV, G.M.

POTAPOV, G.M.

Chokecherry in central Kazakhstan. Biul.Glav.bot. sada no.17:113-114 '54. (MLRA 8:3)

1. Botanicheskiy sad Akademii nauk Kazakhskoy SSR.
(Kazakhstan--Chokecherry)

L 05279-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1) GD
ACC NR: AT6022703 SOURCE CODE: UR/0000/66/000/000/0402/0407

73
71
B+1

AUTHOR: Klimov, A. N.; Potapov, G. N.

ORG: none

TITLE: Self-tuning circuit for the reception of binary signals under conditions of noise with unknown statistical characteristics

SOURCE: Moscow. Institut avtomatiki i telemekhaniki. Samoobuchayushchiyesya avtomaticheskiye sistemy (Self-instructing automatic systems). Moscow, Izd-vo Nauka, 1966, 402-407

TOPIC TAGS: binary code, signal reception, signal interference, self adaptive control, circuit design

ABSTRACT: The criterion of minimum average loss of information is applied to a general information transfer system (See Fig. 1). In the system {x} is the ensemble of transmitted

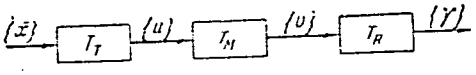


Fig. 1

Card 1/2

L 05279-67

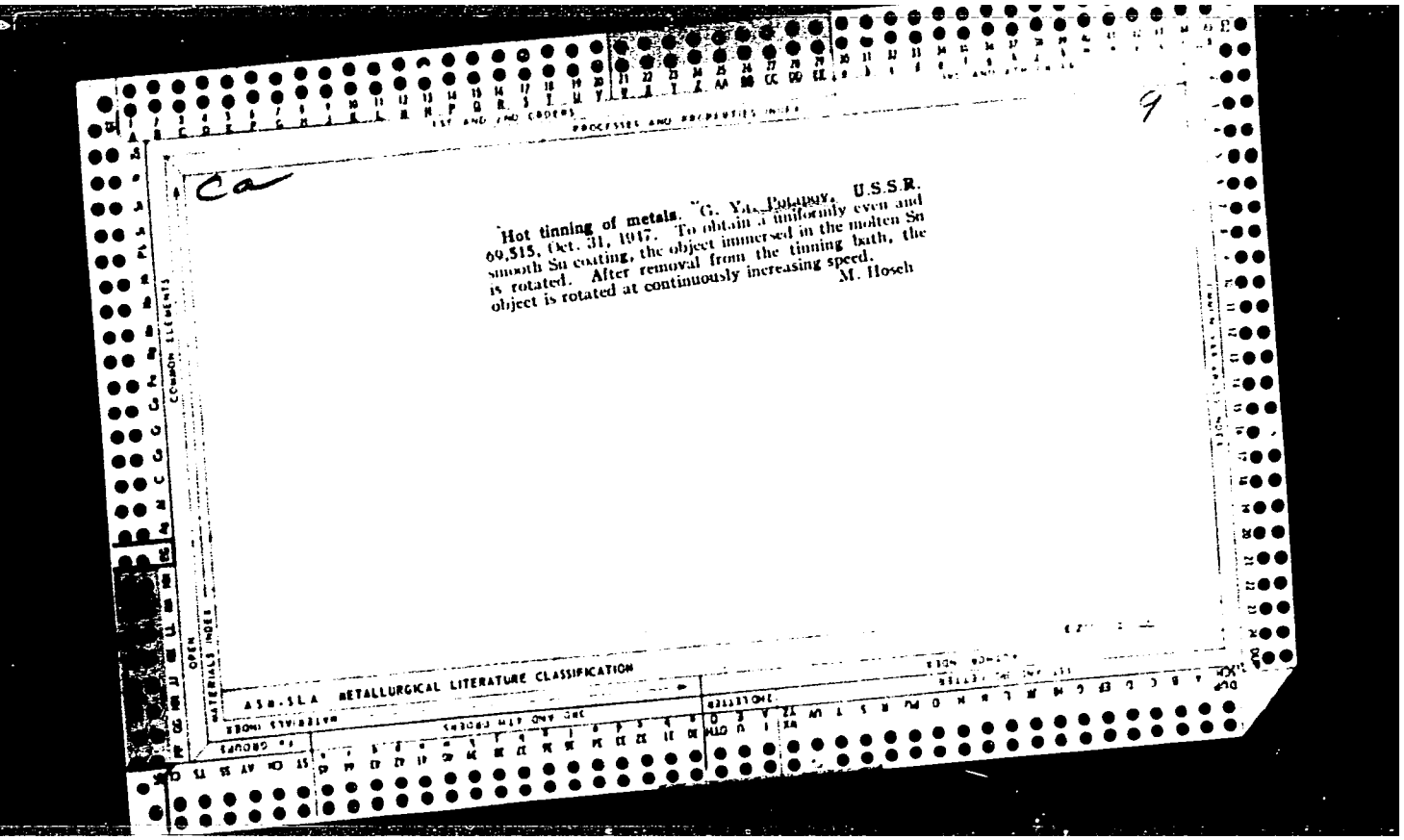
ACC NR: AT6022703

2

information; {u} the ensemble of transmitted signals; {v} the ensemble of received signals; and {y} the ensemble of received information with the following operators: T_T of the encoding device, T_M of the communications lines, and T_R of the decoding device. The various ensembles are regarded as discrete, permitting the operators to be treated as matrices of transfer probabilities. It is noted that the matrix describing T_T depends on time and the one describing T_R on the state of the receiving device. For simplicity a wideband system for transferring information in binary code is considered and it is assumed that the probability of transmission of each of two possible meanings of a signal is predetermined. A system is dealt with which utilizes a threshold device and whose self-tuning process consists of the following operations: 1) accumulation of information regarding noise and the state of the system; 2) computation of the efficiency factor; 3) determination of the direction and magnitude of the shift in threshold level; and 4) establishment of the new threshold value. An algorithm for the operation of the receiver section is presented in a logic form which has been verified on an analog computer under conditions of additive noise of unknown statistical nature (based on a sequence of pseudo-random numbers). This control method may be extended to cover a large number of receiver parameters or functional converters of the receiver section. The accumulation system could be elaborated to provide an evaluation of the stationary nature of the channel with noise and of the control device. Orig. art. has: 9 formulas and 5 figures.

SUB CODE: 09/ SUBM DATE: 02Mar66/ ORIG REF: 001/ OTH REF: 002

Card 2/2



Ca

Hot tinning of metals. "G. Yu. Polatnyi, U.S.S.R. 69,515, Oct. 31, 1917. To obtain a uniformly even and smooth Sn coating, the object immersed in the molten Sn is rotated. After removal from the tinning bath, the object is rotated at continuously increasing speed.
M. Hoseh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SERAFIMOV, L.A.; POTAPOV, G.Ye.; L'VOV, S.V.

Directed study of the phase equilibrium of nonideal multicomponent systems by separated pairs. Khim.i tekh.topl.i masel 5 no.12:10-14 D '60. (MIRA 13:12)

1. Institut tonkoy khimicheskoy tekhnologii im. M.V.Lomonosova.
(Phase rule and equilibrium)

POTAPOV, I.

"Review of G. E. Jannalis' article on "The Results of Lemmert Operations"",

(German) Vest. Oto-rino-laringol, No. 1, 1[illegible].

MAR'IN, P.; POTAPOV, I.

Automation and increase in labor productivity in the oil industry. (MIRA 12:8)
Sots.trud 4 no.5:69-71 My '59.
(Petroleum industry--Labor productivity)
(Automation)

POTAPOV, I.

POTAPOV, I.

[In our department store] V nashem univermage. [Moskva] Profizdat, 1953. 69 p. (MLRA 7:8)

1. Zaveduyushchiy sektsiey tkaney Moskovsko-Shcherbakovskogo univermaga.
(Moscow--Department stores) (Department stores--Moscow)

POTAPOV, I.

"Brief Reviews of Excerpts from Foreign Periodicals", Vest. Oto-rino-laringol.

No. 4, 1949.

MAKSIMOV, I.. Prinimali uchastiye: ZHIRNOV, D.; LAMSKIY, P.; POTAPOV, I.; CHERNOV, V.. LOTYSHEV, I.P., red.; KHLOBORDOV, V.I., tekhn.red.

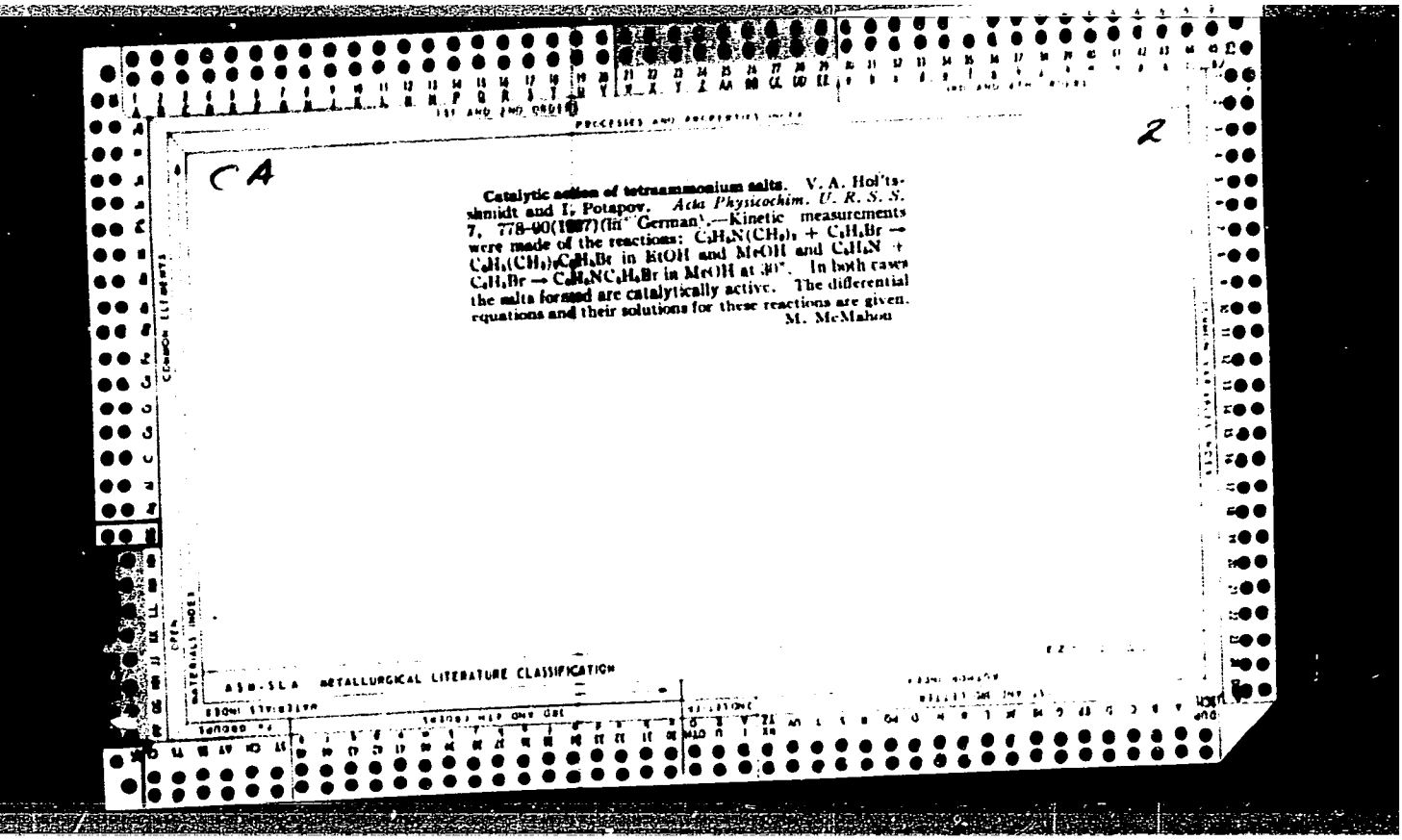
[Sochi; on the 50th anniversary of the Sochi-Matsesta Resort] Sochi; k 50-letiiu Sochi-Matsestinskogo kurorta. Krasnodar, Krasnodarskoe knizhnoe izd-vo, 1959. 62 p. (MIRA 13:7)
(Sochi--Description)

POTAPOV, L.

History - Buriat-Mongolia

"History of the Buriat-Mongolian A. S. S. R." Vol. 1. Reviewed by L. Potapov. Sov. etn. no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.



CA

2

Catalytic action of tetraammonium salts. V. A. Hol'tzshmidt and I. Potapov. *Acta Physicochim. U. R. S. S.* 7, 778-90(1937)(in German).—Kinetic measurements were made of the reactions: $C_5H_5N(CH_3)_3 + C_4H_9Br \rightarrow C_5H_5(CH_3)_3C_4H_9Br$ in EtOH and MeOH and $C_5H_5N + C_4H_9Br \rightarrow C_5H_5NC_4H_9Br$ in MeOH at 30°. In both cases the salts formed are catalytically active. The differential equations and their solutions for these reactions are given.

M. McMahon

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

POTAPOV, I.A.

Reflex changes in respiration during increased pressure in the thoracic duct. Bul. eksp. biol. i med. 56 no.7:20-24 Jl'63 (MIRA 17:3)

1. Iz laboratorii limfoobrashcheniya (zav. - kand. med. nauk A.M. Beketayev) Instituta fiziologii (dir. - akademik AN Kazakhskoy SSR A.P. Polosukhin) AN Kazakhskoy SSR, Alma-Ata. Predstavlena deystvitel'nym chlenom AMN SSSR A.V. Lebedinskim.

POTAPOV , I.A.

Role of lymphatic vessels in lymph circulation changes due to excitation of the afferent nerves. Vest. AN Kazakh. SSR 19 no.7:73-77 Jl '63. (MIRA 17:2)

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Evaluation of the results obtained by the method of perfusion of the lymphatic vessels. Izv. AN Kazakh. SSR. Ser. med. nauk 3-10 '64 (MIRA 17:7)

BABELYAN, V.B.; VINNICHENKO, N.G., kand. ekon. nauk; GNEDASH, G.N.; GRIGOR'YEV, A.N.; DANILOV, N.K.; IVANOV, A.P.; IVLIYEV, Ivan Vasil'yevich; POTAPOV, I.A.; TRUBITKHIN, M.G., kand.ekon. nauk; TUKHOVITSKAYA, L.K., inzh.; TYVANCHUK, B.P., inzh.; SHERMAN, A.Ya.; SHCHERBAKOV, P.D., inzh.; EVENTOV, G.S.; KRISHTAL', L.I., red.; MAKUNI, Ye.V., tekhn. red.

[Financing in railway transportation; manual] Finansirovanie na zheleznodorozhnom transporte; spravochnik. Pod obshchei red. I.V. Ivlieva. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 422 p. (MIRA 15:4)
(Railroads--Finance)

POTAPOV, I.A.

Role of the spinal cord in the regulation of lymph circulation. Trudy Inst. fiziol. AN Kazakh. S.S.R. no.6:4-100 '65. (MIRA 18:5)

POTAPOV, I.A.

Role of the spinal cord in the regulation of the lymph flow. Biul. eksp. biol. i med. 52 no.9:24-27 S '61. (MIRA 15:6)

1. Iz laboratorii limfoobrashcheniya (zav. - kand.med.nauk A.M. Beketayev) Instituta fiziologii (direktor - akademik AN Kazakhskoy SSR A.P. Polosukhin) AN Kazakhskoy SSR, Alma-Ata. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.
(LYMPHATICS) (SPINAL CORD)

MUSATOVA, L. F.; POTAPOV, I.A.

Effect of reflexes from the receptors of the lymphatic system on diuresis. Izv. AN Kazakh. SSR. Ser. med. nauk 14 no.2:17-21 '64 (MIRA 17:7)

LANKOWA, A. N.; POTAPOV, I. ...

Participation of the lymphatic vessels in the lymph flow changes caused by some interoceptive stimulations. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no.3:22-26 '64. (MIR 17:7)

POTAPOV, I.A.

Role of hemodynamic, respiratory [and] peristaltic displacements and some other factors in changes in the lymph flow during stimulation of the afferent nerves. Zdrav. Kazakh. 22 no.5: 48-52 '62. (MIRA 15:6)

1. Iz laboratorii limfoobrashcheniya (zav. - kand.med.nauk A.M. Beketayev) Instituta fiziologii AN Kazakhskov SSR.
(NERVES) (LYMPH) (BLOOD) (RESPIRATION)
(GASTROINTESTINAL MOTILITY)

POTAPOV, I.A.

Measurement and recording of lateral pressure in the thoracic duct. Fiziol.zhur. 47 no.8:1074-1077 Ag '61. (MIRA 14:8)

1. From the Laboratory of Lumph Circulation Institute of Physiology, Kazakh S.S.R. Academy of Sciences, Alma-Ata.
(THORACIC DUCT)

POTAPOV, I.A.

Lateral pressure in the thoracic lymph duct and its changes following a pain stimulus. Izv. AN Kazakh. SSR. med. i fiziol. no. 2:109-116 '60. (MIRA 13:10)
(LYMPHATICS) (PAIN)

ALEKSEYEV, V.N.; VINOGRADOV, A.N., kand.ekon.nauk; VLADIMIROV, V.A., inzh.; KOCHETOV, I.V., prof., doktor ekon.nauk; MINAKOV, P.P.; POTAPOV, I.A.; ROMANOV, M.P., dotsent, kand.ekon.nauk; SPENGLER, Ye.N., kand.ekon.nauk; SHITOV, A.V.; SHUKHATOVICH, I.M.; YAKUBOV, L.S.; IVLIYEV, I.V., red.; KRISHTAL', L.I., red.; KOCHETOV, I.V., prof., doktor ekon.nauk, nauchnyy red.; IVANOV, A.P., nauchnyy red.; BOBROVA, Ye.N., tekhn.red.

[Statistics and bookkeeping in railroad transportation; manual] Statistika i bukhgalterskii uchet na zheleznodorozhnom transporte; spravochnik. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 485 p. (MIRA 14:3)
(Railroads--Accounts, bookkeeping, etc.)
(Railroads--Statistics)

POTAPOV, I.A., inzh.

Coal basin mine builders are in debt toward the government. Shakht.stroi. no.2:4-5 F '59. (MIRA 12:3)

1. Gosplan SSSR.
(Mining engineering--Labor productivity)

POTAPOV, I.A., inzh.

Construction of coal enterprises during 1959-1965. Shakht.stroi. no.3:4-6 Mr '59. (MIRA 12:4)
(Coal mines and mining)

PONOMAREV, Ivan Poluektovich; POTAPOV, I.A., otvetstvennyy redaktor; SMIRNOV, L.V., redaktor izdatel'stva; MADEINSKAYA, A.A., tekhnicheskiy redaktor

[Mine construction in Chelyabinsk Basin conditions] Stroitel'stvo shakht v usloviiakh Cheliabinskogo basseina. Moskva, Ugletekhizdat, 1956. 122 p. (MLRA 9:11)
(Chelyabinsk Basin--Coal mines and mining)
(Mine buildings)

Потапов, И.А.

AID P - 1151

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 4/31

Author : Potapov, I. A., Eng.

Title : Graphical method of calculating wood rotting in transmission lines

Periodical : Energetik, 11, 11-12, N 1954

Abstract : The author describes and illustrates his graphical method. In a note at the end of the article, the editors recommend this method and the testing applied in the Mosenergo networks for application in all high voltage transmission networks of the USSR.

Institution : None

Submitted : No date

POTAPOV, I.A., inzhener.

Graphic method of keeping track of decaying lumber on electric transmission lines. Energetik 2 no.11:11-12 N '54. (MLRA 8:1)
(Electric lines--Poles)

POTAPOV I.F.

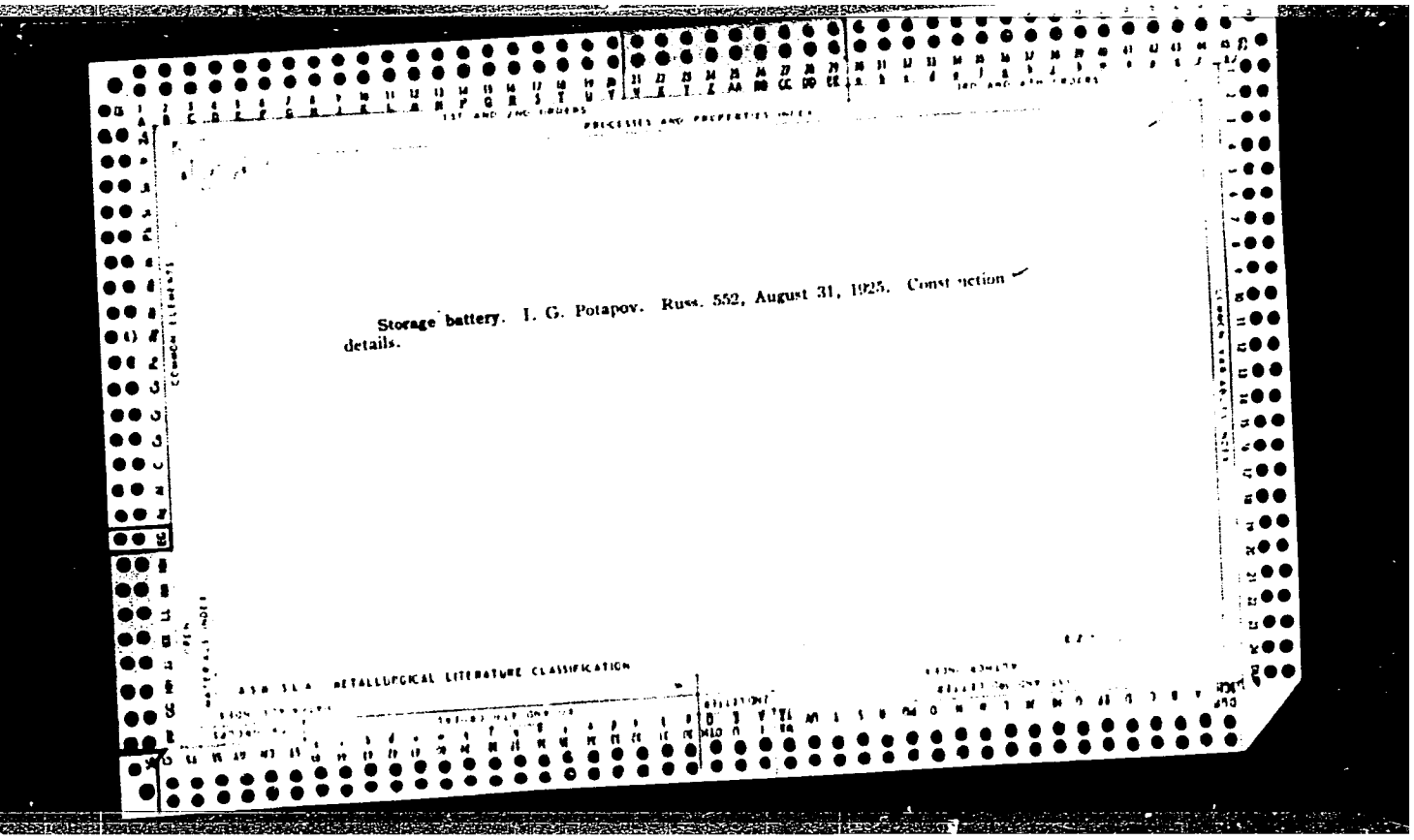
TOVPENETS, Ye.S., kandidat tekhnicheskikh nauk; PISKUN, V.I., inzhener; SHLEPCHENKO, L.B., inzhener; GULYACHENKO, P.P., inzhener; LEONOV, L.I., inzhener; POTAPOV, I.F., inzhener.

Improving the quality of the cutting teeth of cutting machines and of combined mining machines. Ugol' 29 no.10:23-26 O '54.(MLRA 7:11)

1. Donetskiy industrial'nyy institut (for Tovpenets & Piskun) 2. Krasnoluchskiy mashinostroitel'nyy zavod (for Shlepchenko, Gulyachenko & Leonov) 3. Kombinat Stalinugol' (for Potapov)
(Coal--Mining machinery)

AGRANAT, V.F., inzh.; POTAPOV, I.G., inzh.; AKAMOVA, P.I., inzh.

Results of the use of capron wastes for the fabrication of ship fittings.
Sudostroenie 30 no.8:43-47 Ag '64. (MIRA 18:7)



Storage battery. I. G. Potapov. Russ. 552, August 31, 1925. Construction details.

POTAPOV, I.I., prof.

Classification of chronic suppurative otitis media. Vest.otorin. no.6:62-67 '61. (MIRA 15:1)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - prof. Potapov) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(EAR—DISEASES)

POTAPOV, I. I.

"Several Problems in the Union of Polyclinics and Hospitals in Otorhinolaryngology".

Vest. Oto-rino-laringol. No. 3, 1950, Moscow. -c1950-.

POTAPOV, I.I.

Results of application of penicillin in otorhinolaryngology. Uchen. zapiski vtor. moskov. med. Inst. Stalina Vol 2:102-105 1951.
(CIML 21:4)

1. Candidate Medical Sciences. 2. Clinic for Diseases of the Ear, Throat and Nose imeni Prof. L.I. Sverzhevskiy (Director--Honored Worker in Science Prof. B.S. Preobrazhenskiy).

POTAPOV, I.I.

New form of preparation of otolaryngological cadres. Vest. otorinolar., Moskva 14 No. 3:6-8 May-June 1952. (CLML 22:4)

1. Docent. 2. Of the Clinic for Diseases of the Ear, Throat, and Nose imeni Prof. L. I. Sverzhevskiy (Director -- Prof. B. S. Preobrazhenskiy, Active Member AMS USSR), Second Moscow Medical Institute imeni I. V. Stalin.

POTAPOV, I.I.; GORLINA, A.A.

Application of streptomycin in diseases of the ear. Vest. otorinolar., Moskva 15 no. 1:20-24 Jan-Feb 1953. (CLML 24:1)

1. Docent for Potanov. 2. Of the Clinic for Diseases of the Ear, Throat, and Nose, Second Moscow Medical Institute imeni I. V. Stalin.

POTAPOV, I.I., dotsent (Moskva)

Results of the activities of the Moscow Scientific Otolaryngological Society on improving the qualifications of otolaryngologists. Vest.oto-rin. 16 no.2:85-87 Mr-Ap '54. (MLRA 7:6)

(OTORHINOLARYNGOLOGY,
*in Russia, activities of otolaryngol. soc. for improvement of qualifications of otolaryngologists)

POTAPOV, I.I., dotsent; SAVEL'YEV, V.S.

Condition of the bronchial stump after pneumonectomy. Khirurgiia no.12:36-38 D' 55. (MLRA 9:7)

1. Iz fakul'tetskoy khronicheskoy kliniki imeni S.I.Spasokukotskogo (dir.deystvitel'nyy chlen AMN SSSR prof. A.N.Bakulev) i kliniki bolezney ukha, gorla i nosa (dir.-prof. B.S.Preobrazhenskiy) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(LUNGS, surg.
pneumonectomy, postop. condition of bronchial stump)
(POSTOPERATIVE CARE
bronchial stump after pneumonectomy)

POTAPOV, I.I., dotsent

Teaching otorhinolaryngology in medical institutes. Vest.oto-rin. 17 no.2:29-34 Mr-Ap '55. (MLRA 8:7)

1. Iz kafedry bolezney ukha, gorla i nosa (dir. deystvitel'nyy chlen AMN SSSR prof. B.S.Preobrazhenskiy) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(OTORHINOLARYNGOLOGY, education, in Russia)
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(PHARYNX, neoplasms
benign tumors, clin. aspects & surg.)
(LARYNX, neoplasms
benign rumors of external laryngeal ring, clin. aspects & surg.)